

BART Agreement Number: 6M8147

Approval Date: 03/04/24

Work Plan No. A.02-03 03QJ001_IFB Truing Wheel Facility & DSDC for Truing Wheel Equipment

Scope:

CONSULTANT will provide Final Design, Bid Support, and Design Services During Construction as follows:

2.1 FINALIZE DESIGN UPDATES – WHEEL TRUING FACILITY 03QJ-110A

- a. Update facility design plans, specifications, and calculations to include new requests from BART and the latest foundation requirements for the new wheel profiling equipment provided by BART's manufacturer, Simmons. This includes the following:
 - I. Interior Foundation Column updates: Equipment columns and detailing, rail connection detail updates, additional air compressor line routing, conduit routing and equipment anchorage, car puller pad and snatch block & pulley updates, pit lighting modifications, pit sump pump piping & grating relocation, equipment cover plates, and hand railing updates for equipment cabinets.
 - II. Equipment Conveyor Belt updates: Incorporate additional structural column, steel supports, and detailing.
 - III. New 1/2Ton Jib Crane request: Incorporate additional structural support and detailing.
- b. Special Trackwork coordination and plan updates: Update plans and specifications per BART's latest direction that Special Trackwork is to be considered District Furnished Material.
- c. Update District Furnished Materials/District Furnished Equipment (DFM/DFE) specifications and quantities. Participate in field meetings, conduct field observations of material availability, and coordinate with BART Stakeholders.
- d. Update Technical Specifications to include changes associated with Time Related Overhead (TRO).
- e. PG&E new services: Continue to support design by coordinating and participating in field visits.
- f. Update cost estimates, bid list, and construction schedule.

- g. Proceed with BART's direction to use gas operated equipment per BFS Rev 3.2 (i.e., do not eliminate gas utilization in the facility).
- h. Landscape Planting and Irrigation plans; complete improvement plans, specifications, estimate quantities scope of work (budget previously re-allocated).
- i. Geotechnical services; issuance of the final geotechnical report and address design team comments (budget previously re-allocated).
- j. Survey and Mapping services; issuance of signed and stamped drawings for Issue for Bid (budget previously re-allocated).
- k. BART Design Checklist
- l. Elements from the BART Quality Management Plan (QMP); Preliminary Hazardous Analysis (PHA), Safety and Security Certification Plan (SSCP), Design Conformance Certifications, and Project Risk Register
- m. Quality Assurance/Quality Control (QA/QC) Documentation

2.2 BID SUPPORT – WHEEL TRUING FACILITY 03QJ-110A

CONSULTANT will participate a field walk with BART and prospective Bidders and provide support through the advertisement and bid period which is anticipated to last eight (8) weeks.

2.3 PROCUREMENT CONTRACT 03QJ-140 DESIGN SERVICES DURING CONSTRUCTION

Provide as-needed support to BART for Procurement Contract 03AJ-140. Support will include participation in meetings, change notices/change orders, witnessing factory acceptance tests, witnessing field tests, and review of submittals.

2.4 SPECIAL TRACKWORK PROCUREMENT CONTRACT 01RQ-101 SUPPORT

The procurement of the Special Trackwork for Contract 03QJ-110A shall be procured under the existing Trackwork Procurement Contract 01RQ-101. The following support will be provided:

- a. Prepare a Change Notice to the Contract 01RQ-101 for the special trackwork, including a modified No. 8 Crossover and a Standard No. 8 Turnout. The Change Notice is to include plan revisions, specification modifications, and bid list updates.
- b. Review Special Trackwork Submittals required for the BART Contract 03QJ-110A consisting of a modified No. 8 Crossover and a Standard No. 8 Turnout. Field review of special trackwork deliverable against the Bill of Materials.
- c. Attend up to four (4) on-site field meetings and participate in up to six (6) construction meetings with BART and the Contractor.

Prime: PGH Wong Engineering, Inc.

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
AMC Consulting Engineers, Inc.	\$ 97,716	Y	Y
F.W. Associates, Inc.	\$ 128,563	Y	Y
Merrill Morris Partners	\$ 45,207	Y	Y
Parikh Consultants, Inc.	\$ 16,229	Y	Y
Towill, Inc.	\$ 4,996	N	N

Total Work Plan Value: \$ 698,718